

Converting Colors

Yxy(52.6404, 0.2468, 0.2405)

Have a look what the booklet for
Yxy(52.6404, 0.2468, 0.2405)
contains.

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Color

Yxy(51.7222, 0.2529, 0.2516)

Conversions

Conversions Part 1

Format	Color
Hex	A6BDFF
RGB	166, 189, 255
RGB Percent	65%, 74%, 100%
CMY	0.3486, 0.2589, 0.0000
CMYK	0.35, 0.26, 0.00, 0.00
HSL	225°, 100%, 83%
HSV	225°, 35%, 100%
XYZ	51.9894, 51.7222, 101.8615
YIQ	189.6470, -34.8940, 15.6500

Conversions

Conversions Part 2

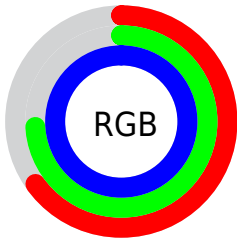
Format	Color
R _Y B	166, 184, 255
Decimal	10927615
CIE Lab	77.11, 7.56, -35.06
CIE LCh	77, 35.868, 282.161
Yxy	51.7222, 0.2529, 0.2516
Android (android.graphics.Color)	4289117695 (0xFFA6BDFF)
YUV	189.6470, 32.2190, -20.7384
Hunter-Lab	71.9181, 3.1804, -33.6329

Details

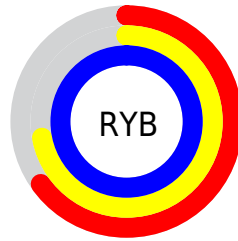
The Yxy color **51.7222, 0.2529, 0.2516** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.7962, 0.3727, 0.3958**, and the grayscale version is **51.1147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2128, 0.2932, 0.3188**, and **25.0650, 0.2376, 0.2331** is the 20% darker color. If you saturate the color by 10%, you get **41.6125, 0.2339, 0.2245**, and if you desaturate by 10%, it is **63.4442, 0.2714, 0.2768**.

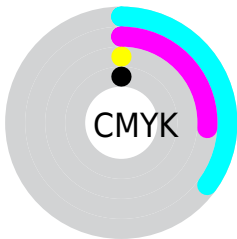
Distribution



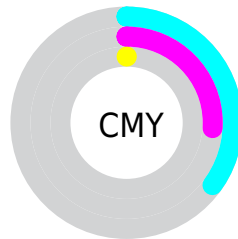
- Red (65%)
- Green (74%)
- Blue (100%)



- Red (65%)
- Yellow (72%)
- Blue (100%)



- Cyan (35%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7222, 0.2529, 0.2516 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 51.7222, 0.2529, 0.2516 by changing the saturation by 10% instead.

■ 51.7222, 0.2529,
0.2516

■ 51.7222, 0.2529,
0.2516

■ 393.3632, 0.2817,
0.2881

■ 36.7837, 0.2461,
0.2432

■ 92.7214, 0.2631,
0.2643

■ 25.0401, 0.2377,
0.2329

■ 119.5509, 0.2670,
0.2692

■ 16.1069, 0.2268,
0.2198

■ 151.1129, 0.2703,
0.2735

■ 9.5998, 0.2126,
0.2030

■ 187.7917, 0.2732,
0.2772

■ 5.1345, 0.1933,
0.1804

■ 229.9717, 0.2758,
0.2804

■ 2.3264, 0.1659,
0.1495

■ 278.0374, 0.2780,

■ 0.7876, 0.1257,

0.2833

0.1058

332.3731, 0.2800,
0.2858

0.0000, 0.0000,
0.0000

51.7222, 0.2529,
0.2516

51.7222, 0.2529,
0.2516

41.6125, 0.2339,
0.2245

63.4442, 0.2714,
0.2768

33.0384, 0.2152,
0.1963

76.8437, 0.2890,
0.2996

25.9217, 0.1975,
0.1679

91.9860, 0.3053,
0.3200

20.1752, 0.1820,
0.1407

100.0000, 0.3127,
0.3290

15.7014, 0.1696,
0.1163

■ 12.3872, 0.1609,
0.0960

■ 11.0736, 0.1576,
0.0874

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.7222, 0.2292, 0.2620



51.7222, 0.2529, 0.2516



51.7222, 0.2935, 0.2593

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.7222, 0.2529, 0.2516



51.7222, 0.4084, 0.3545



51.7222, 0.2791, 0.3834

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51.7222, 0.2529, 0.2516



81.7962, 0.3727, 0.3958

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



51.7222, 0.3260, 0.4129



51.7222, 0.2529, 0.2516



51.7222, 0.4023, 0.3903

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.7222, 0.2529, 0.2516



51.7222, 0.3862, 0.3160



51.7222, 0.3713, 0.4136



51.7222, 0.2431, 0.3364

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.7222, 0.2529, 0.2516



51.7222, 0.3262, 0.2732



51.7222, 0.3713, 0.4136



51.7222, 0.2941, 0.3961

Sweetspot

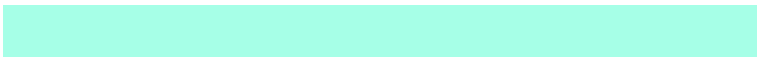
The Sweet Spot groups the original color and five complimentary colors.



51.7233, 0.2529, 0.2516



83.9877, 0.2971, 0.3098



85.4234, 0.2746, 0.3556



17.5259, 0.2948, 0.3069



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.7233, 0.2529, 0.2516



44.3481, 0.2394, 0.2325



45.0721, 0.2637, 0.2279



18.1376, 0.2979, 0.3108



5.9881, 0.1583, 0.0900



0.7501, 0.1642, 0.1110

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



52.2406, 0.3744, 0.3052



45.5219, 0.3932, 0.3003



91.8125, 0.3512, 0.4206



18.0638, 0.3254, 0.3229



11.3325, 0.5912, 0.3031



1.1203, 0.5596, 0.2856

Previews

White Background



This preview shows how the Yxy color 51.7222, 0.2529, 0.2516 looks on a white background.

Color Contrast Check

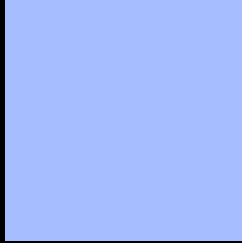
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 51.7222, 0.2529, 0.2516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

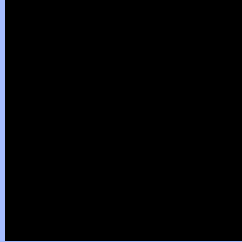
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

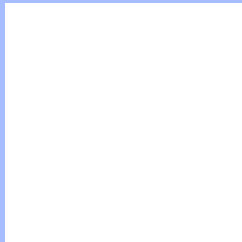
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7222, 0.2529, 0.2516

Background



This preview shows how black text looks on a background with the Yxy color 51.7222, 0.2529, 0.2516.



This preview shows how white text looks on a background with the Yxy color 51.7222, 0.2529, 0.2516.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

51.7222, 0.2529, 0.2516

Protanopia

51.7801, 0.2564, 0.2521

Deuteranopia

51.5313, 0.2563, 0.2500



Tritanopia

51.8045, 0.2719, 0.3083

Trichromacy



Original Color

51.7222, 0.2529, 0.2516

Protanomaly

51.5572, 0.2551, 0.2518

Deuteranomaly

51.7325, 0.2552, 0.2509

Tritanomaly

51.6586, 0.2651, 0.2865

Monochromacy



Original Color

51.7222, 0.2529, 0.2516

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.5057, 0.2883, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7222, 0.2529, 0.2516 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(166, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 189, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(166, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.7222, 0.2529, 0.2516 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 189, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(166, 189, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(166, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7222, 0.2529, 0.2516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 189, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(166,  
189, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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